

25 JUL 1979

MEMORANDUM FOR: Chief, Special Projects Staff

FROM : Bruce T. Johnson
Director of Data Processing

SUBJECT : Minutes of the Bus Oversight Committee
Meeting of 21 June 1979

1. I have read your summary of the Bus Oversight Committee Meeting of 21 June 1979 and have a couple of comments. I believe that para. 4. should be expanded to include reference to the plan to have all of the necessary risers for the Bus system installed as part of the initial installation. It should also be clear that the initial SAFE-oriented installation beyond those risers would bring Bus service only to those parts of the building to be occupied by SAFE subscribers. And finally, it should include a reference to the estimate that it would cost an additional \$1 million to install a comprehensive Bus at the same time that the basic installation is made for purposes of serving SAFE.

2. Having made those points about the extent of the initial service, we should add a paragraph which records the agreement of the committee members that the Bus architecture would indeed meet the communications needs of other systems in the future. You will recall there was some discussion about the requirement that other systems could be served as long as each such system had a controller which would allocate to the user a slice of the available bandwidth in the Bus. Our memorandum should, I believe, include some reference to this general perception and agreement.

3. Finally, I think that the opening sentence of para. 6. is unnecessary and suggest that it be deleted. If you have any difficulties with any of these suggestions, let's discuss them.

/s/ Bruce T. Johnson

Bruce T. Johnson

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17 July 1979

MEMORANDUM FOR THE RECORD

STATINTL

FROM : [REDACTED]
Director, Consolidated SAFE Project Office/ODP

SUBJECT: Summary of the Bus System Oversight Committee
Meeting held 21 June 1979

1. The Bus Communications Oversight Committee consisting of the Director Office of Data Processing; Director Office of Communications; Director, Office of Central Reference, Director, Office of Security; Director of Research and Development; and the Chief, Information Management Staff/DDO held its initial meeting on 14 June 1979 for the purpose of reviewing the Bus Systems Architecture proposed by [REDACTED] or the SAFE System as it applied to the general communications needs of the Agency. Also discussed was the role of the Oversight Committee relative to the Bus Communications activity and data communications in general.

STATINTL

2. Introductory remarks outlined the agreement to date between the Directors of Communications, Security and Data Processing and suggested the need for guidance from those offices regarding the role of the Bus System and Data Communications within the Agency. It was noted that long range plans called for data communications to be handled increasingly by the bus technique while the current metal grid would be converted to a secure voice network. At this point in time, however, concrete plans have not been laid to this end. It was further noted that while the Bus Communications work within the Agency was within the SAFE Project, requirements external to SAFE were planned for in the general sense but again specific requirements have not been levied.

3. The Communications Architecture proposed by [REDACTED] was briefed in detail by [REDACTED]. The viewgraphs used are attached. The SAFE System requirement was discussed in detail with required bandwidth allocation noted.

STATINTL

STATINTL

4. The Director of Communications noted that while the proposed design satisfied the SAFE requirement it did not constitute a general purpose data communication system for the Headquarters facility. He further noted that a great deal of work and expense would be incurred to serve the total Agency need. It was noted that an additional cable was being pulled at the time of cable installation to permit expanded workloads and that the initial cable installation would accommodate vastly more than the SAFE load required. It would in fact accommodate over seven thousand 9600 Baud terminals.

5. It was noted that in accordance with the agreements of 17 September 1976, one Commo Engineer and one COMSEC Engineer were assigned to the SAFE Project for the purpose of ensuring that the communications system would satisfy not only the SAFE needs but would be adaptable to Agency needs as well. It was also emphasized that the purpose of the Oversight Committee was to provide guidance to the development project rather than to the other organizations involved.

6. In summary, the Bus Communications Oversight Committee has had its initial meeting, has been briefed on the Bus Communications System currently under development and will now determine the role which it wishes to play with regard to future Bus Development. In the meantime the SAFE Bus Development will continue with the participation of Commo Engineering and Communications Security with the objective of satisfying the SAFE and subsequently [REDACTED] and other data communications loads within the Agency. It is anticipated that the encryption mechanisms being designed into the system will permit full Agency use of the system without concern for accidental spillage or willful penetration.

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[REDACTED]

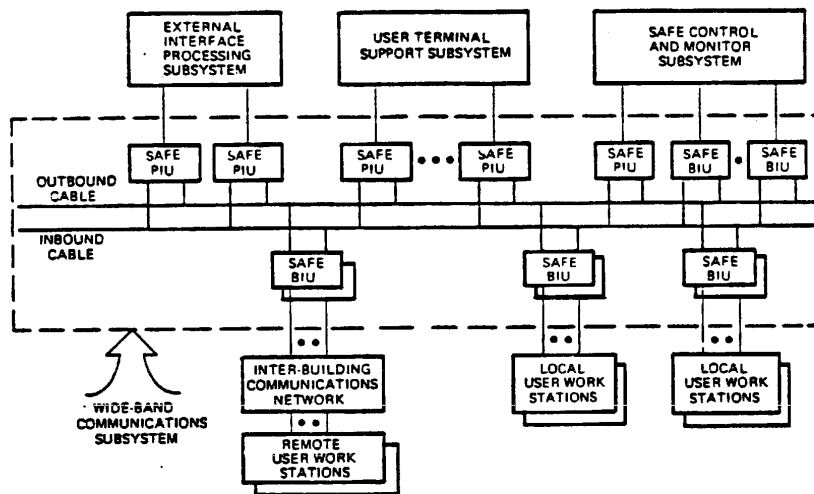
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STATINTL [REDACTED] mer (17 July 1979)

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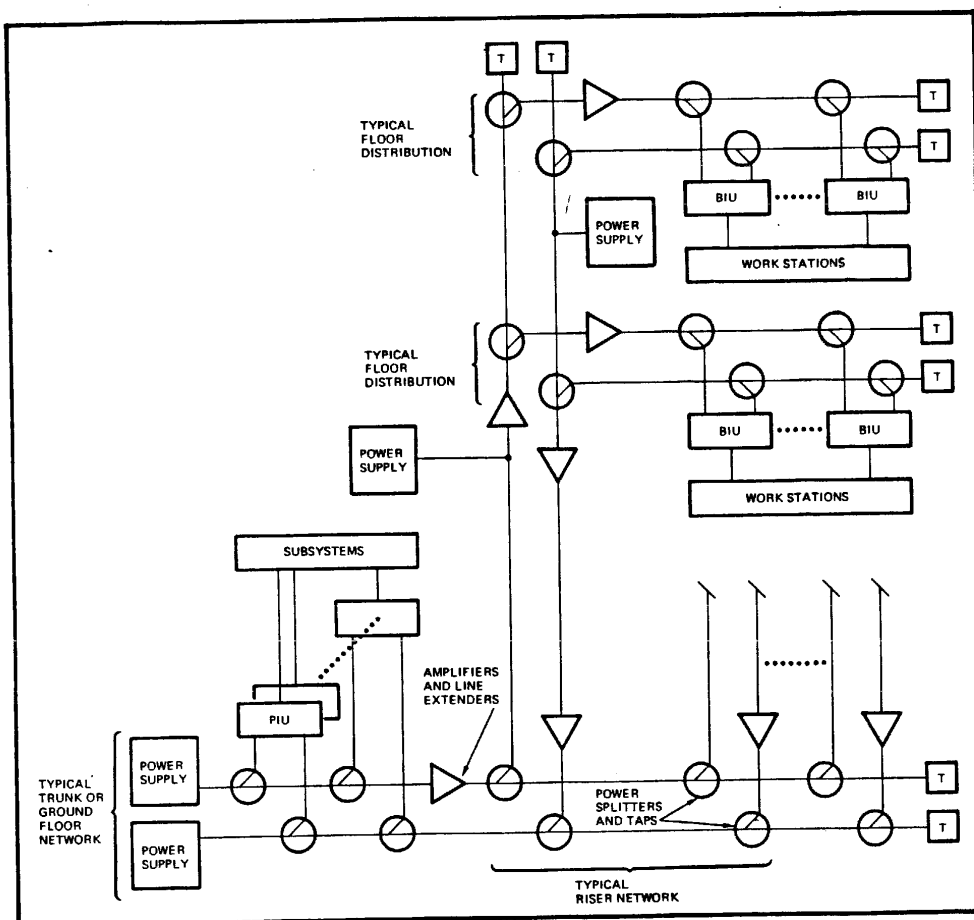
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OVERVIEW OF WBC

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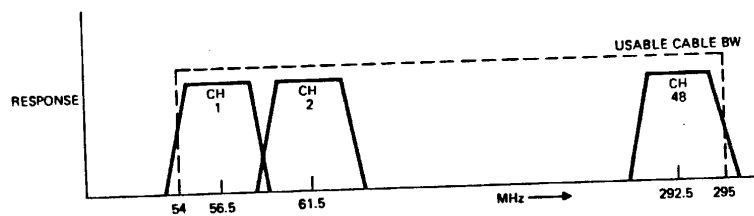


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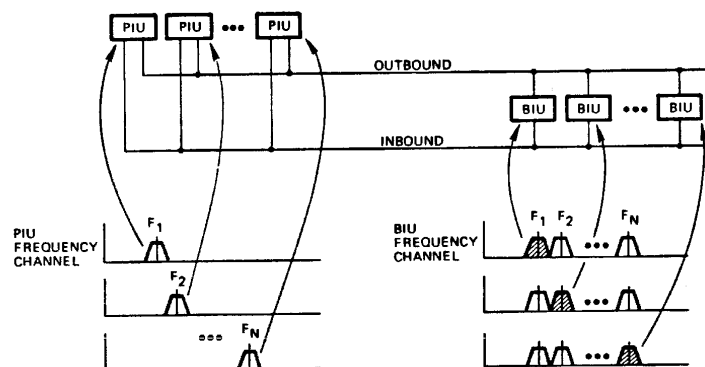


BUS FREQUENCY PLAN

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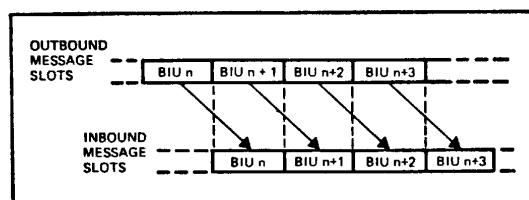


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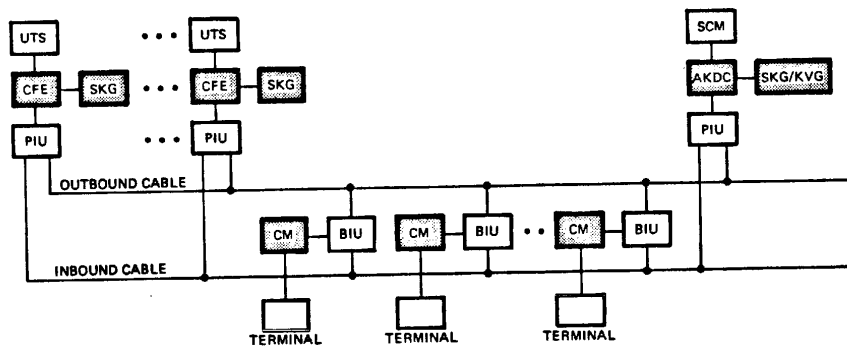


INBOUND BUS SYNCHRONIZATION

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WBC CONFIGURATION

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